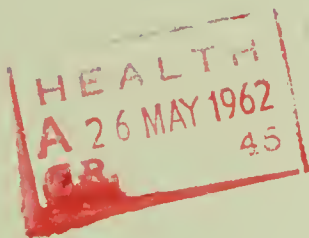


Library



R E P O R T

On the Health and Sanitary Condition of the

WARMINSTER URBAN DISTRICT

for the Year

1 9 6 0



WARMINSTER URBAN DISTRICT COUNCIL.

J. REYNOLDS.

Medical Officer of Health
of The Warminster Urban
District Council

Health Department,
Craven House,
Warminster, Wilts.

J. P. Quartley, Esq., J.P.,
Chairman, Warminster Urban District Council.

Sir,

As directed by the Council in accordance with the Ministry of Health circular 1/61, I have the honour to present my Annual Report for the year 1960. This report is followed by that of your Public Health Inspector.

All persons concerned with the Public Health in the town have continued to co-operate whole-heartedly with me, and I am grateful to your Public Health Committee, the Clerk of the Council, the Family Doctors and visiting Consultants, and the Director of the Public Health Laboratory. The Public Health Inspectors have worked conscientiously and I am personally indebted to them and to my efficient office staff.

I would have liked to have produced this Report earlier but pressure of work has not committed this. I am of the opinion that your Medical Officer should have a larger allocation of time, since it is not possible with an allotment of less than one day per week to perform all the duties imposed by statute.

In the main body of the Report it will be seen that those vital statistics dealing with births and deaths compare favourably with those for England and Wales, and even with those for the county of Wiltshire.

The district has been to all intents and purposes, free from infectious disease during the year, and I am happy that such a large percentage of children are immunized against diphtheria. It will be seen that there had not been a case of diphtheria in the district during the past ten years or, for that matter, a case of smallpox, but 20% fewer children are vaccinated against smallpox than are immunized against diphtheria. I strongly advise all parents to have their children vaccinated in the first year of life.

In general, the health of the community of the Urban District gives cause for satisfaction. I hope this state of affairs continues.

I have the honour to be, Sir,

Your obedient servant,

JOSEPH REYNOLDS.

WARMINSTER URBAN DISTRICT COUNCIL.

To 20th May, 1960.

From 20th May,

Chairman of the Council:

Cllr. H. A. Jones.

Cllr. J. P. Quartley.

Vice-Chairman:

Cllr. J. P. Quartley.

Cllr. F. C. Taylor.

Chairman of the Public Health Committee:

Cllr. J. P. Quartley.

Cllr. J. P. Quartley.

Members of the Public Health Committee:

Chairman of the Council

Vice-Chairman of the Council

ex officio.

Councillors:

W. E. Clark.

W. E. Clark.

A. L. J. Duke.

A. L. J. Duke.

C.E. Kindersley, F.R.C.S.

C.E. Kindersley, F.

R. J. King.

J. S. MacLachlan.

E. R. Tracey.

E. R. Tracey.

E. F. S. Whitmarsh.

E. F. S. Whitmarsh.

Members elected to the West Wilts Water Board, 1st December, 1960.

Cllr. A. L. J. Duke.

Cllr. J. P. Quartley.

Public Health Officers of the Authority:

Medical Officer of Health:

Joseph Reynolds, M.C., L.R.C.P.Edin., L.R.C.S.Edin.,
L.R.F.P. & S. Glas., D.P.H.(Eng.).

Office:

Craven House
Warminster.

Telephone:
Warminster

Chief Public Health Inspector:

William Parks, M.I.Mun.E., C.R.S.I.

Portway House
Warminster.

Assistant Public Health Inspector:

J. H. Cooper, M.A.P.H.I.

Telephone:
Warminster 2

Clerks:

Miss K. V. Jones.

Miss M. A. Brown.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area of the District (in acres)	5,651
Population - Registrar General's estimate as at 30th June, 1960.	8,800
Density of Population - Persons per acre	1.6
Number of Inhabitated Houses and Flats as at 31st December, 1960 (excluding War Department properties)	2,507
Number of Properties owned or held by Council at 31st December, 1960	863
Rateable value at 1st April, 1960	£123,898
Product of Penny Rate	£531
Loan Debt per head of population	£129 4s.10d.

VITAL STATISTICS.

The figures for deaths include those of members of the Armed Forces who were stationed in the area. The population figures given are home populations (i.e., including members of the Armed Forces stationed in the area). The Area comparability factors for use with crude birth and death rates contain adjustments for boundary changes and make allowance for the way in which the sex and age distribution of the local population differs from that for England and Wales as a whole. In addition, the death rate area comparability factors have been adjusted specifically to take account of the presence of any residential institutions in each area. When local crude birth and death rates are multiplied by the appropriate area comparability factor, they are comparable with the crude rate for England and Wales or with the corresponding adjusted rate for any other area.

a)	<u>Live Births.</u>	<u>Male.</u>	<u>Female.</u>	
	TOTAL	96	97	
	Legitimate	92	94	
	Illegitimate	4	3	
	<u>Live Birth Rate per 1,000 population of the Urban District</u>		21.9	
	<u>Live Birth Rate of the Urban District after correction by Area Comparability Factor (1.07)</u>		23.5	
	<u>Live Birth Rate per 1,000 population of the County of Wiltshire.</u>		19.9	
	<u>Live Birth Rate per 1,000 population of England and Wales.</u>		17.1	
b)	<u>Still Births.</u>	<u>Male.</u>	<u>Female.</u>	
	TOTAL	1	1	
	Legitimate	1	1	
	Illegitimate	-	-	
c)	<u>Deaths</u>	<u>Male.</u>	<u>Female.</u>	<u>Total.</u>
	Number of Deaths as enumerated by Registrar General.	54	63	117
	<u>Death Rate per 1,000 population of the Urban District</u>		13.3	
	<u>Death Rate after correction by Area Comparability Factor (0.76).</u>		10.1	
	<u>Death Rate per 1,000 population of the County of Wiltshire.</u>		10.3	
	<u>Death Rate per 1,000 population of England and Wales.</u>		11.5	
d)	<u>Deaths of Infants under one year of age.</u>	<u>Male.</u>	<u>Female.</u>	
	TOTAL	2	3	
	Legitimate	2	3	
	Illegitimate	-	-	
e)	<u>Deaths of Infants under 4 weeks of age.</u>	<u>Male.</u>	<u>Female.</u>	
	TOTAL	2	2	
	Legitimate	2	2	
	Illegitimate	-	-	
f)	<u>Deaths of Infants under one week of age.</u>	<u>Male.</u>	<u>Female.</u>	
	TOTAL	2	2	
	Legitimate	2	2	
	Illegitimate	-	-	

g) Causes of Death.

<u>Group A - Certain Communicable Diseases.</u>		<u>Male.</u>	<u>Female.</u>	<u>Total</u>
1.	Tuberculosis, respiratory	0	0	
2.	Tuberculosis, other	0	0	
3.	Syphilitic disease	0	0	
4.	Diphtheria	0	0	
5.	Whooping Cough	0	0	
6.	Meningococcal infections	0	0	
7.	Acute poliomyelitis	0	0	
8.	Measles	0	0	
9.	Other infective and parasitic diseases (except Influenza and Pneumonia)	0	0	
Total Group A.		0	0	0
<u>Group B - Cancer and related Malignant Disease.</u>				
10.	Malignant neoplasm, stomach	2	2	
11.	Malignant neoplasm, lung bronchus	4	0	
12.	Malignant neoplasm, breast	0	0	
13.	Malignant neoplasm, uterus	0	0	
14.	Other malignant and lymphatic neoplasms	4	4	
15.	Leukaemia, aleukaemia	0	0	
Total Group B.		10	6	16
<u>Group C.</u>				
16.	Diabetes	0	0	0
<u>Group D - Heart Disease and other disease of circulatory system.</u>				
17.	Vascular lesions of nervous system	9	14	
18.	Coronary disease, angina	5	8	
19.	Hypertension with heart disease	0	1	
20.	Other heart disease	13	18	
21.	Other circulatory disease	2	4	
Total Group D.		29	45	74

g) Continued.

<u>Causes of Death.</u>	<u>Male.</u>	<u>Female.</u>	<u>Total.</u>
<u>Group E - Respiratory diseases -</u> <u>(other than Tuberculosis).</u>			
22. Influenza	0	0	
23. Pneumonia	2	2	
24. Bronchitis	3	1	
25. Other diseases of respiratory system.	1	0	
	<hr/>	<hr/>	<hr/>
Total Group E.	6	3	9
<u>Group F.</u>			
26. Ulcer of stomach and duodenum	1	0	
27. Gastritis, enteritis and diarrhoea	0	0	
28. Nephritis and nephrosis	0	0	
29. Hyperplasia of prostate	0	0	
30. Pregnancy, childbirth, abortion	0	0	
31. Congenital malformations	0	1	
32. Other defined and ill-defined diseases	5	4	
	<hr/>	<hr/>	<hr/>
Total Group F.	6	5	11
<u>Group G - Accidents and Violence.</u>			
33. Motor Vehicle Accidents	3	1	
34. All other accidents	0	2	
35. Suicide	0	1	
36. Homicide and operations of war	0	0	
	<hr/>	<hr/>	<hr/>
Total Group G.	3	4	7
37. All causes	54	63	117

TABLE OF BIRTH AND DEATH RATES.

(Local Rates after correction by Area Factors).

Year	Population	Births	Rate per 1,000 population Warminster.	Rate per 1,000 population England and Wales.	Deaths	Rate per 1,000 population Warminster.	Rate per 1,000 population England and Wales.	Deaths of Infants under one year of age.
1951	8,278	139	19.1	15.5	97	11.0	12.5	5
1952	8,290	127	17.4	15.3	85	9.7	11.3	2
1953	8,190	164	22.8	15.4	132	15.1	11.4	6
1954	8,220	149	19.6	15.2	146	15.7	11.3	5
1955	8,530	151	19.1	15.0	155	16.0	11.7	6
1956	8,510	139	17.6	15.6	132	8.9	11.7	9
1957	8,860	154	18.6	16.1	110	6.7	11.5	3
1958	8,890	166	20.0	16.4	127	10.3	11.7	4
1959	8,790	176	21.4	16.5	87	7.9	11.6	4
1960	8,800	193	23.5	17.1	117	10.1	11.5	5

SECTION B.

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

a) Laboratory facilities.

All samples requiring laboratory examination are sent to the Public Health Laboratory in Bath. Not only are reports on these samples available from the Medical Director but he is always willing to visit the District, and the Medical Practitioners and myself find this personal contact most satisfactory.

b) Ambulance Service.

The Ambulance service is provided and controlled by the Wiltshire County Council. The service in this district is controlled from Bradford-on-Avon where the station is manned continuously. A sub-station in Warminster also serves the district. Non-emergency calls must originate from a doctor, dentist or midwife.

To obtain an ambulance in an emergency:-

where there is a dialling system in operation, dial 999

where there is no dialling system, lift the receiver and ask for an ambulance.

c) Midwifery, Home Nursing, Health Visitors and Home Helps.

These services are provided and controlled by the Wiltshire County Council, County Hall, Trowbridge, telephone: Trowbridge 3641.

d) Clinics and Treatment Centres.

The following Clinics serve the districts:-

1. Ante Natal:

At the Maternity Hospitals concerned.

Consultant Clinics are at Trowbridge and Bradford-on-Avon for patients referred by their own doctor or midwife.

Baptist Chapel, West End, Westbury, Wilts. - Wednesday mornings 10.00 - 12.30 p.m.

2. Infant Welfare:

Methodist Chapel, George Street, Warminster at 2 - 4 p.m. on the first and third Fridays of each month.

3. Diphtheria, Whooping Cough, Tetanus and Poliomyelitis Immunization.

Immunization is undertaken by the County Council and Medical Officers visit the schools in outlying villages at specified dates for this purpose. All family doctors will also carry out immunization.

The Warminster Clinic is held on the fourth Friday of every month at 2 p.m. at the Methodist Schoolroom, George Street, Warminster.

4. Paediatrics.

Warminster Hospital on second Friday in each month.

5. Ear, Nose and Throat.

By invitation from the County Council or through the family doctor. Warminster Hospital first Tuesday in each month.

6. Eye.

By invitation from the County Council.

Second, fourth and fifth Fridays in each month at Methodist Schoolroom, Warminster.

7. Orthopaedic.

At Warminster - first Monday, first Friday, and second and fourth Thursdays in each month.

8. Gynaecology.
At Warminster Hospital on fourth Wednesday in each month, and at Westbury Hospital on first and third Mondays in each month.
9. Chest Clinic.
Trowbridge - Wednesday mornings and every Saturday from 10 a.m. to 1 p.m.
Cases referred by own doctor, or by invitation from County Council.
10. Rheumatism.
Alternate Wednesdays at Trowbridge and District Hospital.
11. Radiotherapy Follow Up (Cancer).
At Bristol and Bath by arrangement with the County Council.
At Trowbridge and District Hospital second Thursday in each month.
12. Mental Illness.
Trowbridge and District Hospital every Tuesday afternoon.
13. Chiropody.
By arrangement with the County Council.

14. <u>Venereal Diseases.</u>	<u>Men.</u>	<u>Women.</u>
General Infirmary, Salisbury.	Tuesday - 11.30 a.m. - 1 p.m.	Wednesday - 6 - 7.30 p.m.
	Friday - 6 - 7.30 p.m.	Saturday - 11.30 a.m. - 1 p.m.
Royal United Hospital, Bath.	Friday - 5 - 6.30 p.m. Saturday - 5 - 6.30 p.m.	Tuesday - 5 - 6.30 p.m. Friday - 2.30 - 4.00
St. Martin's Hospital, Bath.	Tuesday - 2 p.m.	Tuesday - 2 p.m.

Welfare Foods are distributed at the W.V.S. Centre, Portway House, Warminster, on: Monday 10.00 p.m. - 12 noon, Tuesday 2.00 - 4.00 p.m., Thursday 10.00 a.m. - 12. noon, Friday 2.00 - 4.00 p.m.

Nursing equipment and appliances can be loaned from the Medical Loan Dept in charge of Mrs. George Nicholls, St. Andrew's, Barcham Road, Warminster.

c) Hospitals.

The four hospitals noted below serve the district and are controlled by the West Wiltshire Hospital Management Committee:

	<u>Beds.</u>	<u>Classification.</u>	<u>Type of case dealt with.</u>
Warminster Hospital	30	Wholly general.	Acute medical and surgical cases. Gynaecological cases. Chronic sick patients for short periods only.
Westbury and District Hospital.	20	do.	
Samborne Hospital.	121	Mainly chronic sick.	Aged chronic sick. Accommodation reserved to the County Council for 26 welfare residents.
Beckford Orthopaedic Hospital, Warminster.	26	Pre-convalescent and recovery unit, plus orthopaedic cases.	

Many residents also attend and receive treatment at several Hospitals in Bath and Salisbury.

Maternity cases are admitted to hospitals at Bradford-on-Avon, Trowbridge and Salisbury.

e) Hospitals (Continued).

Cases of infectious diseases are admitted to the Isolation Hospital at Bath. The majority of cases of Tuberculosis are admitted to Winsley Chest Hospital, The Manor Hospital, Bath and Odstock Hospital, Salisbury.

f) Mortuary.

An annual payment is made to the West Wiltshire Hospital Management Committee for mortuary facilities at the Sanbourne Hospital, Warminster. The visiting pathologist has expressed his satisfaction with the facilities provided.

GENERAL INFORMATION

Ministry of Labour and National Service.

Weymouth Street,
Warminster.

Telephone: Warminster 2351.

Hours 9 - 5 p.m.

Registrar of Births, Marriages and Deaths.

Market Place,
Warminster.

Springfield Road,
Westbury.

Telephone: Westbury 22.

Hours 10 - 11.30 a.m. Monday, Wednesday and Friday.

National Assistance Board.

Area Office:

School Lane,
Bellvue Road,
Salisbury.

Bellefield House,
Milperton Road,
Trowbridge.

Telephone: Trowbridge 2348.

Telephone: Salisbury 2261.

Outside Office Hours: Mr. R. L. Bennetts,
1 Downsway,
Salisbury.

Telephone: Salisbury 4365.

Mental Health Officers:

Mr. F. Garnett

During Office Hours.

County Hall,
Trowbridge.

Telephone:
Trowbridge 3641.

Deputy:
Mr. T. R. Williams.

County Hall,
Trowbridge.

Telephone:
Trowbridge 3641.

Outside Office Hours.

Telephone Bradford-on-Avon Ambulance
Station to contact the officer on duty.
Telephone: Bradford-on-Avon 2271.

GENERAL INFORMATION (Continued).

Ministry of Pensions and National Insurance.

Weymouth Street,
Warminster.

Telephone: Warminster 2361.

Hours: 9 - 5 p.m.

Wallbridge House,
Portway,
Frome.

Telephone: Frome 2373.

Bellefield House,
Hilperton Road,
Trowbridge.

Telephone: Trowbridge 2348.

SECTION C.

PREVENTION AND CONTROL OF INFECTIOUS AND OTHER DISEASES.

The nearest centre which keeps emergency supplies of sera for the treatment of anthrax, botulism and snake-bite is:-

Ham Green Hospital, Bristol.

Telephone No. Pill 2165.

The Dispensary, Royal South Hants and Southampton Hospital carries snake-bite antivenin not only against native snakes but against tropical snakes which may be imported with cargoes arriving at the docks.

Special arrangements for the treatment of anthrax have been provided by the South Western Regional Hospital Board at Claverton Down Hospital, Bath. This hospital also holds anti-anthrax serum for prophylactic use and for the treatment of patients sensitive to penicillin.

Organophosphorus Poisoning.

Certain insecticides contain organophosphorus poisons, e.g. parathion. Treatment is by pyridine-2-aldoxime methiodide (PAM). A small supply of PAM is available in the Royal Infirmary Pharmacy (Telephone No. Bristol 22041).

An emergency service for the treatment of cases of organophosphorus insecticide poisoning is also provided by the Medical Division, C.D.E.E. (Ministry of Supply), Porton, Wilts. (Telephone No. Idmiston 211).

Infectious Diseases notified during 1960.

	<u>Jan.</u>	<u>Feb.</u>	<u>Mar.</u>	<u>Apr.</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Oct.</u>	<u>Nov.</u>	<u>Dec.</u>	<u>Total.</u>
Measles	-	-	-	-	-	1	-	-	-	1	-	-	2
Whooping Cough	-	-	-	1	-	-	-	1	-	-	-	-	2
Puerperal Pyrexia	-	-	-	-	-	-	-	-	-	-	1	-	1
Dysentery	1	-	-	-	-	-	-	-	-	-	-	-	1

	<u>1951</u>	<u>1952</u>	<u>1953</u>	<u>1954</u>	<u>1955</u>	<u>1956</u>	<u>1957</u>	<u>1958</u>	<u>1959</u>	<u>1960</u>
Measles	174	16	316	-	203	21	63	5	353	2
Whooping Cough	38	68	4	33	12	-	25	-	-	2
Meningococcal Infections	-	-	-	-	-	-	-	-	4	-
Encephalitis (Post-Infective)	-	-	2	-	-	-	-	-	-	-
Pneumonia	2	1	1	-	-	-	-	2	-	-
Scarlet Fever	8	41	3	-	1	-	4	2	-	-
Puerperal Pyrexia	-	-	-	-	-	-	-	-	-	1
Erysipelas	-	1	2	2	-	-	-	-	-	-
Polio-myelitis	-	2	1	2	1	2	-	2	-	-
Dysentery	1	-	3	-	1	1	-	-	4	1
Food Poisoning	-	-	-	3	-	-	-	-	1	-
Typhoid Fever	-	-	-	-	-	-	-	6	-	-

<u>Tuberculosis.</u>	<u>Pulmonary.</u>		<u>Non-Pulmonary.</u>	
	<u>Male.</u>	<u>Female.</u>	<u>Male.</u>	<u>Female.</u>
Cases on Register at 31.12.59.	30	23	12	14
New Cases notified during 1960.	2	1	-	-
Transfers in	1	1	-	-
Deaths	-	-	-	-
Recovered	4	1	-	-
Transferred out of district.	-	1	-	-
Cases on Register at 31.12.60.	29	23	12	14

Notifications and Deaths during the year:-

<u>Year.</u>	<u>Pulmonary. Tuberculosis.</u>		<u>Non-Pulmonary. Tuberculosis.</u>		<u>Total.</u>
	<u>Notifications.</u>	<u>Deaths.</u>	<u>Notifications.</u>	<u>Deaths.</u>	<u>Notifications</u>
1951	6	1	1	-	7
1952	3	-	4	-	7
1953	7	1	4	-	11
1954	6	1	2	-	8
1955	4	-	1	-	5
1956	2	1	1	-	3
1957	5	-	1	1	6
1958	4	-	-	-	4
1959	1	1	1	-	2
1960	3	-	-	-	3

Number of Cases on Register at end of each year:

<u>Year</u>	<u>Pulmonary.</u>	<u>Non-Pulmonary.</u>	<u>Total.</u>
1951	41	23	64
1952	34	21	55
1953	40	23	63
1954	43	26	69
1955	48	25	73
1956	51	26	77
1957	52	26	78
1958	61	26	87
1959	53	26	79
1960	52	26	78

IMMUNIZATION AND SMALLPOX VACCINATION STATISTICS, 1959.

(From figures supplied by courtesy of Dr. C. D. L. Lycett, C.M.O.H., Wiltshire).

Age Group		Under 1	1	2	3	4	5 - 9	10 - 14
Primary imms. completed during 1960.	Dip.	110	30		24		33	2
	h/c.	110	30		20		5	
Reinf. injs. administered during 1960.	Dip.	-	3		66		121	10
	h/c.	-	2		51		35	1
Total immunized child population at 31st. Dec. 1960.	Pre 1.1.56.	-----					201	660
	Post 1.1.56.	39	126	127	120	89	527	88

Age Group	Under 1	1	2 - 4	5 - 14	15 or over
Vaccinations	120	7	7	6	11
Re-vaccinations	-	-	2	8	25

POLIOMYELITIS IMMUNIZATION

Completed Injections during 1960

Persons born:	Warminster U.D.	
	2nds.	3rds.
1943 - 1960	143	509
1933 - 1942	67	427
Before 1933, but who had not reached 40 years of age	246	22
Others	15	23

SECTION D.

INSPECTION AND SUPERVISION OF FOOD.

Milk.

Seven dealers were licenced during the year. The Licences issued were:-

To use designation		Tuberculin Tested	5
-do-		Pasteurized	4
Supplementary	-do-	Tuberculin Tested	2
-do-	-do-	Pasteurized	1

Milk Sampling.

Twenty-six samples of tuberculin tested milk were sent for examination in the laboratory. All these milks gave negative results when examined for tuberculosis. The tests proved one retailer, with premises outside the district to be selling milk, from a farm outside the district, infected with germs which could cause undulant fever. An Order was made that this milk should be sent for heat treatment before being sold for human consumption. The Order was still in force at the end of the year. Forty-nine samples of pasteurized milk were sent for examination. During autumn two of these samples failed to satisfy the phosphatase test which meant the milk was not properly pasteurized. This milk was derived from a plant in a neighbouring district under the control of the Wiltshire County Council. After attention had been drawn to the matter, samples for the rest of the year were satisfactory.

Ice Cream.

I regret that the Public Health Inspectors report that owing to pressure of work it was impossible to take any samples of ice cream for examination during the year.

Slaughterhouses.

Reference to the following table will show that approximately 90% of the pigs killed in the Bacon Factory were inspected. Despite the fact that this procedure takes up a large proportion of the Public Health Inspector's time, I feel that 100% inspection should be done and even that some ante-mortem inspection should be aimed at. Steps are being taken to bring the slaughterhouse into such a state as to comply with the Slaughterhouse Regulations.

Meat Inspection.

Details of meat Inspection are as follows:

Carcases and offal inspected and condemned in whole or part:

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed (if known)	-	-	-	-	5,993	-
Number inspected	-	-	-	-	5,402	-
ALL DISEASES EXCEPT TUBERCULOSIS AND CYSTICERCI						
Whole carcasses condemned	-	-	-	-	-	-
Carcases of which some part or organ was condemned	-	-	-	-	-	-
Percentage of number inspected affected with disease other than Tuberculosis and Cysticerci	-	-	-	-	-	-
TUBERCULOSIS ONLY						
Whole carcasses condemned	-	-	-	-	3	-
Carcases of which some part or organ was condemned	-	-	-	-	430	-
Percentage of the number inspected affected with Tuberculosis	-	-	-	-	7.1	-
CYSTICEROSIS						
Carcases of which some part or organ was condemned	-	-	-	-	-	-
Carcases submitted to treatment by Refrigeration	-	-	-	-	-	-
Generalised and totally condemned	-	-	-	-	-	-

SECTION E.

SANITARY CIRCUMSTANCES OF THE AREA.

Water Supplies.

The management of the water supplies to Warminster passed from the Urban Council to the West Wilts Water Board on the 1st April, 1960. Samples have been sent regularly for bacteriological examination and two samples taken from taps in the district showed coliforms before control passed to the Board. No pollution has been obvious in samples taken from taps in the town since the Board took control, but two samples from a service reservoir showed pollution. It could be that this water had not been exposed to chlorine for a sufficiently long period. I trust that the Board will continue to sustain the good record of its early months of existence. Although the quality of the water has been satisfactory, a sufficient quantity has only been maintained with difficulty. This state of affairs will be remedied when the Board's South Western Regional Scheme comes into operation in the near future. Also, the water derived from the Crockerton source has an acid reaction. For many years this has caused corrosion of water fittings in the district, but lead has never been demonstrated in any domestic supplies. This source at Crockerton is soon to be abandoned. The bacteriological examinations made during the year are summarised below, together with the results of chemical analyses.

<u>Date.</u>	<u>Source.</u>	Probable numbers per 100 m.l.	
		<u>Coliform Bacilli.</u>	<u>Bact. coli (type 1)</u>
6. 1.60.	Tap, 19 Portway, Bore, Arn Hill.	-1	Not tested
6. 1.60.	Tap, 12 The Tynning, Land Spring, Crockerton.	do.	do.
11. 1.60.	Tap, 19 Portway, Bore, Arn Hill.	do.	do.
11. 1.60.	Tap, 12 The Tynning, Land Spring, Crockerton.	do.	do.
18. 1.60.	Tap, 12 The Tynning, Land Spring, Crockerton.	do.	do.
18. 1.60.	Tap, 19 Portway, Bore, Arn Hill.	do.	do.
27. 1.60.	Tap, 12 The Tynning, Land Spring, Crockerton.	do.	do.
27. 1.60.	Tap, 19 Portway, Bore, Arn Hill.	do.	do.
1. 2.60.	Tap, 12 The Tynning, Land Spring, Crockerton.	do.	do.
1. 2.60.	Tap, 19 Portway, Bore, Arn Hill.	do.	do.
8. 2.60.	Tap, 12 The Tynning, Land Spring, Crockerton.	do.	do.
8. 2.60.	Tap, 19 Portway, Bore, Arn Hill.	do.	do.
15. 2.60.	Tap, 12 The Tynning, Land Spring, Crockerton.	do.	do.
15. 2.60.	Tap, 19 Portway, Bore, Arn Hill.	do.	do.
22. 2.60.	Tap, 19 Portway, Bore, Arn Hill.	1 (less than 0.5-4)	None demonstrated
22. 2.60.	Tap, 12 The Tynning, Land Spring, Crockerton.	-1	Not tested
2. 3.60.	Tap, 12 The Tynning, Land Spring, Crockerton.	do.	do.
2. 3.60.	Tap, 19 Portway, Bore, Arn Hill.	do.	do.
7. 3.60.	Tap, 12 The Tynning, Land Spring, Crockerton.	do.	do.
7. 3.60.	Tap, 19 Portway, Bore, Arn Hill.	do.	do.
7. 3.60.	Tap, 19 Portway, Bore, Arn Hill.	do.	do.
7. 3.60.	Tap, 12 The Tynning, Land Spring, Crockerton.	do.	do.
7. 3.60.	Tap, 19 Portway, Bore, Arn Hill.	do.	do.
7. 3.60.	Tap, 12 The Tynning, Land Spring, Crockerton.	do.	do.
14. 3.60.	Tap, 19 Portway, Bore, Arn Hill.	do.	do.
14. 3.60.	Tap, 12 The Tynning, Land Spring, Crockerton.	3 (0.5-8)	None demonstrated

WATER SUPPLIES (Continued).

		Probable numbers per 100 m.l.	
<u>Date.</u>	<u>Source.</u>	<u>Coliform Bacilli. Bact. coli (type 1).</u>	
24. 3.60.	Tap, 13 The Tynning, Land Spring, Crockerton.	-1	Not tested
24. 3.60.	Tap, 19 Portway, Bore, Arn Hill.	do.	do.
28. 3.60.	Tap, 12 The Tynning, Land Spring, Crockerton.	do.	do.
28. 3.60.	Tap, 19 Portway, Bore, Arn Hill.	do.	do.
12. 4.60.	Tap, No. 1 Borehole, Arn Hill.	do.	None demonstrated
12. 4.60.	Tap, Craven House, Warminster, Arn Hill.	do.	do.
6. 4.60.	No. 1 Borehole, Arn Hill.	do.	do.
6. 4.60.	No. 2 Borehole, Arn Hill.	do.	do.
5. 4.60.	Tap, Craven House, Arn Hill.	do.	Not tested
5. 4.60.	Tap, Highbury House, Arn Hill.	do.	do.
20. 4.60.	Tap, Craven House, Bore, Arn Hill.	do.	None demonstrated
20. 4.60.	Tap, 24 Sambourne, Wells, Crockerton.	do.	do.
25. 4.60.	Tap, No. 1 Borehole, Arn Hill.	do.	do.
25. 4.60.	No. 3 Borehole, Arn Hill.	do.	do.
25. 4.60.	Tap, 72A Westbury Road, Arn Hill.	do.	do.
3. 5.60.	No. 2 Borehole, Bore, Arn Hill.	do.	do.
3. 5.60.	Tap, No. 1 Borehole, Bore, Arn Hill.	do.	do.
10. 5.60.	32 Westbury Road, Bore, Arn Hill.	do.	do.
16. 5.60.	Tap, 55 Boreham Road, Warminster.	do.	do.
17. 5.60.	Tap at No. 2 Borehole, Arn Hill.	do.	do.
17. 5.60.	Tap, Craven House.	do.	do.
17. 5.60.	Tap, No. 1 Borehole, Arn Hill.	do.	do.
31. 5.60.	Bore, No. 2 Arn Hill.	do.	do.
31. 5.60.	Bore, No. 1 Arn Hill.	do.	do.
31. 5.60.	55 Boreham Road, Bore, Arn Hill.	do.	do.
13. 6.60.	Bore, No. 2 Arn Hill.	do.	do.
13. 6.60.	Bore, No. 1 Arn Hill.	do.	do.
27. 6.60.	Tap, No. 2 Borehole, Arn Hill.	do.	do.
27. 6.60.	No. 1 Borehole, Arn Hill.	do.	do.
28. 6.60.	55 Boreham Road, Bore, Arn Hill.	do.	do.
4. 7.60.	No. 2 Borehole, Bore, Arn Hill.	do.	do.
4. 7.60.	No. 1 Borehole, Bore, Arn Hill.	do.	do.
25. 7.60.	Tap, No. 2 Borehole, Bore, Arn Hill.	do.	do.
25. 7.60.	No. 1 Borehole, Bore, Arn Hill.	do.	do.
26. 7.60.	Bradley Road Reservoir, Shallow Well, Crockerton.	do.	do.
26. 7.60.	55 Boreham Road, Bore, Arn Hill.	do.	do.
2. 8.60.	No. 2 Borehole, Bore, Arn Hill.	do.	do.
2. 8.60.	Tap, No. 1 Borehole, Bore, Arn Hill.	do.	do.
8. 8.60.	No. 1 Borehole, Bore, Arn Hill.	do.	do.
8. 8.60.	No. 2 Borehole, Bore, Arn Hill.	do.	do.
15. 8.60.	No. 1 Borehole, Bore, Arn Hill.	do.	do.
15. 8.60.	No. 2 Borehole, Bore, Arn Hill.	do.	do.
15. 8.60.	55 Boreham Road, Bore, Arn Hill.	do.	do.
22. 8.60.	No. 1 Borehole, Bore, Arn Hill.	do.	do.
22. 8.60.	No. 2 Borehole, Bore, Arn Hill.	do.	do.
23. 8.60.	Reservoir, Bradley Road Reservoir, Shallow Well, Crockerton.	3 (5-8)	do.
30. 8.60.	No. 2 Borehole, Bore, Arn Hill.	-1	do.
6. 9.60.	Bradley Road Reservoir, Shallow Well, Crockerton.	do.	do.
12. 9.60.	No. 2 Pumphouse, Bore, Arn Hill.	do.	do.
13. 9.60.	Tap, 55 Boreham Road, Bore, Arn Hill.	do.	do.
19. 9.60.	No. 1 Borehole, Bore, Arn Hill.	do.	do.
19. 9.60.	No. 2 Borehole, Bore, Arn Hill.	do.	do.
27. 9.60.	Tap, No. 1 Borehole, Bore, Arn Hill.	do.	do.
27. 9.60.	Tap, No. 2 Borehole, Arn Hill, Bore, Arn Hill.	do.	do.
3.10.60.	Tap, 12 The Tynning, Land Spring, Crockerton.	do.	do.

WATER SUPPLIES (Continued).

<u>Date.</u>	<u>Source.</u>	Probable numbers per 100 n.l.	
		<u>Coliform Bacilli.</u>	<u>Bact. coli (type 1)</u>
24.10.60.	No. 2 Borehole, Bore, Arn Hill.	-1	None demonstrated
31.10.60.	Tap, No. 1 Pumphouse, Arn Hill.	do.	do.
31.10.60.	Tap, 55 Boreham Road.	do.	do.
31.10.60.	Tap, No. 2 Borehole, Arn Hill.	do.	do.
1.11.60.	Bradley Road Reservoir.	5	1
		(0.5-13)	(0.5-4)
7.11.60.	Bradley Road Reservoir.	-1	None demonstrated
7.11.60.	Tap, No. 2 Borehole, Arn Hill.	do.	do.
14.11.60.	Tap, 55 Boreham Road.	do.	do.
14.11.60.	Tap, No. 2 Borehole, Arn Hill.	do.	do.
21.11.60.	No. 2 Borehole, Bore, Arn Hill.	do.	do.
21.11.60.	Bradley Road Reservoir, Shallow Well, Crockerton.	do.	do.
28.11.60.	Tap, No. 2 Borehole, Bore, Arn Hill.	do.	do.
6.12.60.	No. 2 Borehole, Bore, Arn Hill.	do.	do.
12.12.60.	Tap, 55 Boreham Road, Bore, Arn Hill.	do.	do.
12.12.60.	Tap, No. 2 Borehole, Bore, Arn Hill.	do.	do.
19.12.60.	Tap, No. 2 Borehole, Bore, Arn Hill.	do.	do.

Chemical Examination of Water 18th November, 1960.Keepers Well,
Crockerton.Appearance:

Clear, colourless.

Reaction:

pH

6.2

Parts per Million.

Free Carbon Dioxide CO ₂	48
Ammonia (as N)	
Free	less than .005
Albioninoid	.007
Chlorine (as Chlorides)	18
equivalent to Sodium Chloride	30
Oxygen absorbed (4 hrs.)	0.68
Nitrogen in Nitrite	Absent
Nitrogen in Nitrate	0.7
Total Solids	164
Loss on ignition	30
Appearance on ignition	Slight charring
Hardness: Temporary	41
Permanent	20
Total	61
Lead and Copper	less than 0.1

MINERAL ANALYSIS

Calcium	Ca	21
Magnesium	Mg	2
Sodium	Na	9
Potash	K	14
Carbonate	CO ₃	25
Sulphate	SO ₄	14
Chloride	Cl	18
Nitrate	NO ₃	3
Loss on ignition		30
Undetermined (Silica etc.)		28
		164

WATER SUPPLIES (Continued).Chemical Examination of Water 18th November, 1960.Holy Well,
Crockerton.Appearance: Clear, colourless. Sandy-type of sediment.Reaction: pH 6.1Parts per Million.

Free Carbon Dioxide CO ₂	39
Ammonia (as N)	
Free	less than .007
Albuminoid	.008
Chlorine (as Chlorides)	16.5
equivalent to Sodium Chloride	27
Oxygen absorbed (4 hrs.)	0.34
Nitrogen in Nitrite	Absent
Nitrogen in Nitrate	0.8
Total Solids	156
Loss on ignition	40
Appearance on ignition	Some charring
Hardness: Temporary	23
Permanent	27
Total	50
Iron Fe	0.1
Lead and Copper	less than 0.1

MINERAL ANALYSIS

Calcium	Ca	15
Magnesium	Mg	3
Sodium	Na	9
Potash	K	1
Carbonate	CO ₃	14
Sulphate	SO ₄	19
Chloride	Cl	17
Nitrate	NO ₃	4
Loss on ignition		40
Undetermined (Silica etc.)		34
		156

Chemical Examination of Water 18th November, 1960.Jersey Hill Well,
Crockerton.Appearance: Clear, colourless, woody-type of sediment.
Supernatant liquid siphoned off. Analysis of
siphoned-off liquid.Reaction: pH 6.0

Continued . . .

WATER SUPPLIES (Continued).Jersey Hill Well,
Crockerton (Contd.)Parts per Million

Free Carbon Dioxide CO ₂	45
Ammonia (as N)	
Free	less than .007
Albuminoid	.007
Chlorine (as Chlorides)	16.5
equivalent to Sodium Chloride	27
Oxygen absorbed (4 hrs.)	0.51
Nitrogen in Nitrite	Absent
Nitrogen in Nitrate	1.3
Total Solids	152
Loss on ignition	30
Appearance on ignition	some charring.
Hardness: Temporary	27
Permanent	<u>33</u>
Total	60
Lead and Copper	less than 0.1

MINERAL ANALYSIS

Calcium	Ca	19
Magnesium	Mg	3
Sodium	Na	9
Potash	K	2
Carbonate	CO ₃	16
Sulphate	SO ₄	25
Chloride	Cl	17
Nitrate	NO ₃	6
Loss on ignition		30
Undetermined (Silica etc.)		<u>25</u>
		152

Chemical Examination of Water 10th December, 1960.Arn Hill,
Warminster.

Appearance: Colourless, clear and bright.
Reaction: pH 7.3

Parts per Million

Free Carbon Dioxide CO ₂	19
Ammonia (as N)	
Free	0.028
Albuminoid	0.007
Chlorine (as Chlorides)	13
equivalent to Sodium Chloride	21.5
Oxygen absorbed (4 hrs. @ 80°F)	0.30
Nitrogen in Nitrite	Absent
Nitrogen in Nitrate	0.7
Total solids	300
Loss on ignition	20
Appearance on ignition	Very slight charring
Hardness: Temporary	225
Permanent	<u>1</u>
Total	226

WATER SUPPLIES (Continued).

Arn Hill,
Warminster.
(Continued)

Iron Fe	0.05
Fluerine (F)	0.09
Lead and Copper	less than 0.1

MINERAL ANALYSIS

Calcium	Ca	87
Magnesium	Mg	2
Sodium	Na	12
Potassium	K	2
Carbonate	CO ₃	135
Sulphate	SO ₄	17
Chloride	Cl	13
Nitrate	NO ₃	3
Loss on ignition		20
Undetermined (Silica etc.)		<u>9</u>
		300

Public Swimming Bath.

The open-air pool is filled with water from the public mains. It is treated by hand dosage with hyperchlorite compounds and the water is changed once a fortnight. A chlorine residual estimation is made each day. A bacteriological examination was made in August and shows the water to be equivalent to drinking water.

Sewage Disposal.

During the year it became obvious that the sewage works were overloaded. The Council brought this to the notice of their Consultant Engineer and steps were put in motion to expand the works and so prevent nuisance.

Refuse Disposal.

The Surveyor began to dispose of the town refuse by means of controlled tipping during the year. This is a great step forward. There has been no nuisance from the controlled tipping, and the tip previously in use has no longer been a nuisance to the public.

Housing.

In my report for the year 1958, I drew attention to the No. 1 Clearance Area Order. All the houses in existence have been demolished except for Nos. 6 and 6A Brook Street. These two houses are not occupied but are still standing. Further properties were the subject of No. 2, 3, and 4 Clearance Area Orders which were confirmed in March, 1960. The four houses in No. 2 Order 6, 7, 8, and 9 Three Horse Shoes Yard are empty but still standing. Nos. 28, 29, and 30 of No. 3 Order are partially demolished. The four houses of No. 4 Order have been demolished, but the houses 13/14 and 15 Enwell Street of the No. 5 Order are empty but still standing. The Minister held an enquiry with regard to No. 1 Order relating to Nos. 1, 2, 3, and 4 Three Horse Shoes Yard and these houses are shortly to be demolished.

Section 86 of the Housing Act, 1957, requires the Medical Officer of Health of every Borough, Urban and Rural District Council to include in his Annual Report particulars with respect of overcrowding. I have no knowledge as to how much overcrowding there is in the Urban District and would recommend that sufficient staff be employed so that a housing survey may be made.

Mr. W. Parks, Chief Public Health Inspector, reports as follows:

Premises Registered under Sec. 16, Food and Drugs Act, 1955.

Butchers' Shops	..	..	..	..	..	..	10
Grocery and General	..	..	..	..	..	..	22
Fishmongers	..	..	..	..	..	..	6
Fish Fryers	..	..	..	..	..	..	4
Bakehouses	..	..	..	..	..	..	2
Cafes	..	..	..	..	..	..	15

106 visits were made to these various premises and informal action taken in seven cases.

Sewage Disposal.

Investigations were completed as to the adequacy of the sewage disposal works, when it was concluded that an additional primary settlement tank, an ext humas tank and two more sludge drying beds were needed.

The Council's Consulting Engineers were instructed to proceed with plans for these extensions.

Housing.

Luring the year 39 houses were completed on the Council's Westleigh Estate and 49 by private enterprise.

12 applications were received and approved for Standard Grants. No application was made for a Discretionary Grant, and there was no application for a Certificate of Disrepair.

FACTORIES ACTS, 1937 to 1959.

1. INSPECTIONS for purposes of provisions as to health (including inspections made by Public Health Inspectors).

Premises (1)	Number on Register (2)	Number of		
		Inspections (3)	Written notices (4)	Occupiers prosecuted (5)
i) Factories in which Sections 1,2,3,4 and 6 are to be enforced by Local Authorities.	46	23	-	-
ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority.	-	-	-	-
iii) Other premises in Section 7 is enforced by the Local Authority (excluding out-workers' premises).	-	-	-	-
TOTAL	46	23	-	-

2. Cases in which DEFECTS were found.

Particulars	Number of cases in which defects were found				Number of cases in which prosecutions were instituted
	Found	Remedied	Referred		
			to H.M. Inspector	by H.M. Inspector	
(1)	(2)	(3)	(4)	(5)	(6)
Want of cleanliness (S.1)	-	-	-	-	-
Overcrowding (S.2)	-	-	-	-	-
Unreasonable temperature (S.3)	-	-	-	-	-
Inadequate ventilation (S.4)	-	-	-	-	-
Ineffective drainage of floors (S.6)	-	-	-	-	-
Sanitary Conveniences (S.7)	-	-	-	-	-
Other offences against the Act	-	-	-	-	-
TOTAL	-	-	-	-	-

FACTORIES ACTS, 1937 to 1959 (Continued).

Part VIII of the Act.

Outwork.

(Sections 110 and 111)

Nature of Work	Section 110			Section 111		
	No. of out-workers in August list required by Section 110 (1)(c)	No. of cases of default in sending lists to the Council	No. of prosecutions for failure to supply lists.	No. of instances of work in un-wholesome premises.	Notices served	Prosecutions
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Wearing apparel. (Making etc., Cleaning and Washing).	96	-	-	-	-	-
The making of boxes or other receptacles or parts thereof made wholly or partially of paper.	Nil	-	-	-	-	-
TOTAL	96	-	-	-	-	-

3

3